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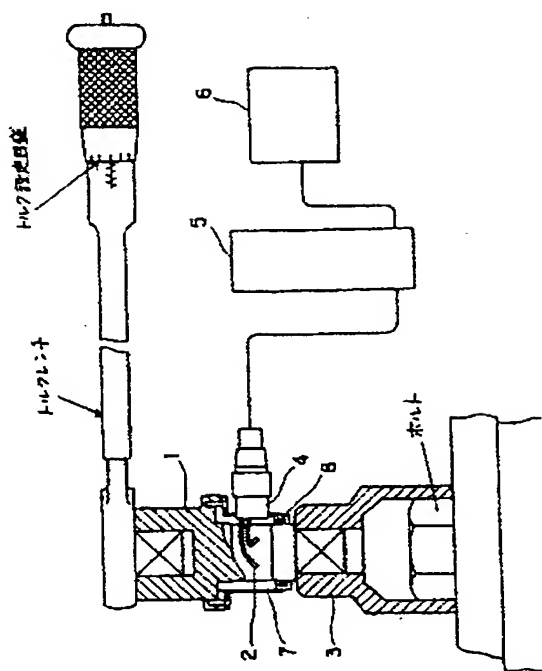
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APPLICANT : JAPAN ATOM ENERGY RES INST;

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TITLE : TORQUE WRENCH CALIBRATOR



ABSTRACT : PURPOSE: To perform calibration by utilizing a bolt or nut already completed in clamping or on the way of clamping by forming the torque wrench calibrator from a twisting rod having a strain gauge bonded thereto and fitting parts for respectively connecting a torque wrench and a screw clamping element provided to the respective ends thereof.

CONSTITUTION: A strain gauge 2 is bonded to the side surface of a twisting rod 1 and the upper end of the twisting rod 1 is provided with a square hole in which a torque wrench is inserted and the lower end thereof is formed into the square rod shape fitted in a socket 3. The socket 3 has the hole in which the square rod part of the twisting rod 1 can be fitted at one end thereof and also has a hole in which the head of a bolt can be fitted at the other end thereof. The torque wrench to be inspected is fitted in the square hole of the upper part of a calibrator. The socket 3 is mounted to the square rod part of the lower part of the calibrator and the already clamped bolt is fitted in the socket 3. By this constitution, the torque wrench can be inspected or calibrated from a displayed value and the set graduations of the torque wrench.

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